

Mineral Industry Surveys

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IRON AND STEEL SCRAP IN OCTOBER 2004

On a daily average basis in October 2004, estimated consumption of iron and steel scrap was down 9% and net receipts of purchased and home scrap were down 3% compared with those of September 2004, according to the U.S. Geological Survey. Production of home scrap was down 14% and stocks of purchased and home scrap at the end of the month were up 1%. These observations are based upon responses from 59% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 51% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production was up 5% and consumption was up 3% compared with those of September 2004. Stocks of pig iron at month's end were up 3% compared with those of September 2004.

Exports of iron and steel scrap for the month of September 2004 increased 30% from those of August 2004. Canada was the leading country of destination, accounting for 27% of the total tonnage of exports, followed by the Republic of Korea with 20% and China with 14% (table 6). San Francisco, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 14% of the total, followed by New York, NY, with 11% and Boston, MA, with 9% (table 7).

Imports of iron and steel scrap for September 2004 increased 15% compared with those of August 2004. Canada was the leading country of origin, accounting for 44% of the total tonnage of imports, followed by the United Kingdom with 31% and the Netherlands with 8% (table 9). Charleston, SC, was the leading Customs district for tonnage of imports, accounting for 32% of the total, followed by Detroit, MI, with 23% and New Orleans, LA, with 20% (table 10).

The daily average domestic raw steel production for October 2004, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 279,000 metric tons (t), about the same as in September 2004 and up 12% from 249,000 t in October 2003 (table 12). The electric furnace portion of raw steel production for October 2004 was 56%, up from 55% in September 2004 and up from 50% in October 2003.

Raw steel capability utilization (AISI data) in October 2004 was 98%, up from 97% in September 2004 and up from 83% in October 2003 (table 12). Continuous cast steel production in the United States accounted for 96% of total raw steel production in September 2004, down from 97% in September 2004 and October 2003.

TABLE 1
IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS^{1,2}

(Thousand metric tons)

	October 2004			Year to date ^p		
	Integrated steel producers ³	Electric furnace steel producers ⁴	Total for steel producers	Integrated steel producers ³	Electric furnace steel producers ⁴	Total for steel producers
Scrap:						
Receipts from dealers and other sources	1,290	2,490	3,790	12,400	25,000	37,400
Receipts from other own company plants	W	W	192	W	W	1,740
Production recirculating scrap	550	335	885	6,210	3,360	9,580
Production obsolete scrap	17	27	44	154	267	421
Consumption (by type of furnace):						
Blast furnace	(5)	--	(5)	(5)	--	(5)
Basic oxygen process	W	W	1,070	W	W	12,000
Electric furnace	W	W	3,500	W	W	35,300
Other (including air furnace) ⁶	(5)	--	(5)	(5)	--	(5)
Total consumption	1,680	2,890	4,570	18,200	29,200	47,300
Shipments	128	7	135	1,090	69	1,160
Stocks end of month	2,280	2,220	4,510	XX	XX	XX
Pig iron (includes hot metal):						
Receipts	412	177	589	5,620	1,420	7,040
Production	W	W	2,770	W	W	25,500
Consumption (by type of furnace):						
Basic oxygen process	W	W	3,260	W	W	31,700
Direct castings ⁷	(5)	(5)	(5)	(5)	(5)	(5)
Electric furnace	W	W	(5)	W	W	(5)
Total consumption	3,130	129	3,260	30,600	1,020	31,700
Shipments	(8)	(8)	(8)	(8)	(8)	(8)
Stocks end of month	W	W	469	XX	XX	XX
Direct-reduced iron:⁹						
Receipts	109	6	115	908	71	979
Production	W	--	W	--	--	--
Total consumption	109	6	116	933	190	1,120
Shipments	12	--	12	27	--	27
Stocks end of month	165	12	177	XX	XX	XX

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and/or "Total consumption." XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings. October 2004 data are based on returns from 59% of monthly respondents, representing 51% of scrap consumption during this month, and estimates for nonrespondents of this survey.

³Includes data for electric furnaces operated by integrated steel producers.

⁴Includes minimill and specialty steel producers; includes data for other furnaces operated by these steel producers.

⁵Withheld to avoid disclosing company proprietary data; included in "Consumption: Basic oxygen process."

⁶Includes vacuum melting furnaces and miscellaneous uses.

⁷Includes ingot molds and stools.

⁸Withheld to avoid disclosing company proprietary data.

⁹Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

TABLE 2
 RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, CONSUMPTION, AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS^{1,2}

(Thousand metric tons)

Item	October 2004				Year to date ^p		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³	Ending stocks	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³
Carbon steel:							
Low-phosphorus plate and punchings	28	W	58	129	291	W	595
Cut structural and plate	373	53	413	290	3,860	600	4,400
No. 1 heavy melting steel	374	179	575	557	4,040	1,730	5,680
No. 2 heavy melting steel	473	33	492	487	4,870	343	5,260
No. 1 and electric furnace bundles	388	W	498	293	3,890	W	5,290
No. 2 and all other bundles	72	W	74	36	748	W	791
Electric furnace 1 foot and under (not bundles)	6	W	W	W	128	W	W
Railroad rails	19	W	27	20	206	W	246
Turnings and borings	168	4	177	113	1,680	45	1,840
Slag scrap	78	122	162	139	754	1,270	1,740
Shredded and fragmentized	908	W	959	761	8,460	W	9,390
No. 1 busheling	449	16	423	308	4,270	152	4,280
Steel cans (post consumer)	22	W	26	W	220	W	265
All other carbon steel scrap	144	123	280	256	1,440	1,820	3,380
Stainless steel scrap	69	19	95	34	666	191	936
Alloy steel scrap	11	41	51	32	110	435	526
Ingot mold and stool scrap	W	7	5	16	W	67	47
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	28	W	22	25	265	W	248
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	78	23	100	W	578	343	1,010
Other mixed scrap	97	35	125	570	931	290	1,190
Total	3,790	885	4,570	4,510	37,400	9,580	47,300

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings.

³Includes recirculating scrap and home-generated obsolete scrap.

TABLE 3
 RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, AND CONSUMPTION OF IRON AND STEEL SCRAP,
 BY REGION AND STATE, FOR STEEL PRODUCERS^{1,2}

(Thousand metric tons)

Region and State	October 2004			Year to date ^p		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³
Mid-Atlantic and New England:						
New Jersey, New York, Pennsylvania	399	170	615	4,010	1,730	6,090
North Central:						
Illinois and Indiana	340	287	593	3,880	3,140	6,790
Iowa, Minnesota, Nebraska, Wisconsin	249	5	242	2,460	50	2,400
Michigan	163	73	136	1,760	839	2,160
Ohio	549	99	642	4,940	1,230	6,150
Total	1,300	463	1,610	13,000	5,250	17,500
South Atlantic:						
Delaware, Maryland, Virginia, West Virginia	280	59	322	2,360	670	3,010
Florida, Georgia, North Carolina, South Carolina	321	19	310	3,050	165	3,340
Total	601	77	632	5,410	835	6,350
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	498	48	527	4,920	513	5,340
Arkansas, Louisiana, Oklahoma, Texas	666	66	795	6,740	648	8,180
Total	1,160	114	1,320	11,700	1,160	13,500
Mountain and Pacific:						
Arizona, California, Colorado, Oregon, Utah, Washington	320	60	386	3,300	602	3,880
Grand total	3,790	885	4,570	37,400	9,580	47,300

^pPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings.

³Includes recirculating scrap and home-generated obsolete scrap.

TABLE 4
RECEIPTS OF IRON AND STEEL SCRAP, BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3,4}

(Thousand metric tons)

Item	October 2004					Year to date ^p				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	15	4	W	5	2	141	44	W	58	42
Cut structural and plate	44	116	90	94	29	452	1,250	900	965	294
No. 1 heavy melting steel	43	104	41	148	37	431	1,210	404	1,530	464
No. 2 heavy melting steel	8	184	76	154	51	75	1,940	706	1,640	512
No. 1 and electric furnace bundles	32	249	24	75	8	317	2,650	235	606	88
No. 2 and all other bundles	8	30	7	18	9	75	311	61	196	106
Electric furnace 1 foot and under (not bundles)	--	(5)	--	6	--	--	5	--	123	--
Railroad rails	W	W	--	10	W	W	W	4	114	W
Turnings and borings	26	45	29	62	6	244	466	232	669	66
Slag scrap	18	30	8	21	W	184	272	71	217	W
Shredded and fragmentized	45	187	246	320	109	469	1,690	2,090	3,190	1,020
No. 1 busheling	45	179	24	195	6	480	1,700	213	1,820	61
Steel cans (post consumer)	3	W	W	W	W	36	W	W	W	W
All other carbon steel scrap	41	73	8	20	W	398	699	85	242	W
Stainless steel scrap	55	13	--	--	--	546	120	--	--	--
Alloy steel scrap	6	W	--	W	--	69	W	--	W	--
Ingot mold and stool scrap	--	--	--	--	--	1	--	--	--	--
Machinery and cupola cast iron	--	--	--	W	--	--	--	1	W	--
Cast iron borings	W	W	W	7	--	W	W	W	90	--
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	33	W	1	W	W	213	W	6	W
Other mixed scrap	W	W	3	23	W	W	W	47	164	W
Total	399	1,300	601	1,160	320	4,010	13,000	5,410	11,700	3,300

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Scrap received from brokers, dealers, and other outside sources.

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴Data are rounded to no more than three significant digits; may not add to totals shown.

⁵Less than 1/2 unit.

TABLE 5
CONSUMPTION OF IRON AND STEEL SCRAP BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3}

(Thousand metric tons)

Item	October 2004					Year to date ^p				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	15	33	W	W	5	144	328	W	W	62
Cut structural and plate	66	117	105	97	28	674	1,280	1,160	998	282
No. 1 heavy melting steel	83	162	47	198	85	822	1,630	438	1,930	863
No. 2 heavy melting steel	14	180	74	172	52	144	1,990	744	1,860	522
No. 1 and electric furnace bundles	39	346	39	64	9	385	3,890	262	659	94
No. 2 and all other bundles	9	29	7	21	9	88	315	62	212	115
Electric furnace 1 foot and under (not bundles)	--	4	--	3	--	--	83	--	122	--
Railroad rails	W	W	--	15	W	45	W	4	127	W
Turnings and borings	32	51	26	62	7	294	556	238	675	72
Slag scrap	29	60	26	46	W	294	774	178	490	W
Shredded and fragmentized	80	183	206	378	112	805	1,640	2,200	3,670	1,080
No. 1 busheling	52	178	18	168	7	525	1,680	222	1,790	70
Steel cans (post consumer)	5	W	W	W	W	55	W	W	W	W
All other carbon steel scrap	69	114	37	57	W	677	1,690	414	571	W
Stainless steel scrap	77	18	--	--	--	730	206	--	--	--
Alloy steel scrap	17	32	--	W	--	173	330	--	W	--
Ingot mold and stool scrap	3	1	--	(4)	--	34	10	--	3	--
Machinery and cupola cast iron	--	--	(4)	W	--	--	--	--	W	--
Cast iron borings	W	W	W	8	--	W	W	W	93	--
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	42	W	3	W	W	504	W	26	W
Other mixed scrap	W	32	4	21	W	W	299	55	170	W
Total	615	1,610	632	1,320	386	6,090	17,500	6,350	13,500	3,880

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴Less than 1/2 unit.

TABLE 6
U.S. EXPORTS OF IRON AND STEEL SCRAP BY SELECTED REGION AND COUNTRY^{1, 2}

(Thousand metric tons and thousand dollars)

Region and country	September 2004		Year to date	
	Quantity	Value	Quantity	Value
North America and South America:				
Argentina	(3)	17	(3)	91
Bahamas, The	(3)	14	2	343
Brazil	(3)	36	1	686
Canada	276	24,000	1,570	173,000
El Salvador	(3)	12	1	122
Mexico	108	25,400	1,160	231,000
Peru	31	5,540	161	33,900
Venezuela	(3)	30	3	529
Other	0	4	47	9,900
Total	415	55,000	2,950	450,000
Africa, Europe, Middle East:				
Belgium	3	439	10	1,860
Finland	6	8,800	58	80,900
France	(3)	195	1	852
Germany	1	237	16	6,900
Ireland	(3)	29	(3)	185
Italy	24	6,420	24	6,630
Kenya	1	1,960	41	18,300
Netherlands	1	539	13	14,100
Spain	(3)	30	4	5,930
Sweden	(3)	247	1	1,400
Switzerland	(3)	12	3	1,060
Turkey	92	21,300	298	57,100
United Arab Emirates	1	110	4	1,070
United Kingdom	(3)	244	14	6,960
Other	1	38	52	11,400
Total	129	40,600	539	215,000
Asia, Australia, Oceania:				
Bangladesh	2	300	4	721
China	143	64,600	2,250	641,000
Hong Kong	5	3,430	56	30,400
India	7	4,220	244	68,800
Indonesia	5	1,420	19	5,200
Japan	4	1,810	77	34,100
Korea, Republic of	203	44,300	1,380	367,000
Malaysia	1	213	287	53,500
Pakistan	(3)	21	3	631
Phillippines	(3)	47	(3)	104
Singapore	(3)	84	10	1,530
Taiwan	6	5,600	160	74,100
Thailand	111	24,600	575	112,000
Vietnam	(3)	247	13	3,420
Other	1	39	1	316
Total	487	151,000	5,070	1,390,000
Grand total	1,030	247,000	8,560	2,060,000

¹Includes tinsplate and temeplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION
AND SELECTED CUSTOMS DISTRICT^{1,2,3}

(Thousand metric tons and thousand dollars)

Region and customs district	September 2004		Year to date	
	Quantity	Value	Quantity	Value
Canadian-U.S. Border:				
Buffalo, NY	6	2,080	70	19,300
Chicago, IL	(4)	200	6	1,370
Detroit, MI	28	5,300	255	44,100
Duluth, MN	1	205	34	5,220
Great Falls, MT	3	420	16	2,220
Ogdensburg, NY	8	1,380	44	8,900
Pembina, ND	63	10,200	403	59,500
Other ⁵	(4)	61	1	656
Total	109	19,800	829	141,000
East Coast:				
Baltimore, MD	1	663	14	6,120
Boston, MA	95	24,500	638	131,000
Charleston, SC	46	2,140	74	16,000
Miami, FL	2	980	35	12,500
New York, NY	111	30,900	1,150	312,000
Norfolk, VA	4	2,270	119	31,400
Philadelphia, PA	42	12,800	289	61,200
Portland, ME	44	11,900	248	49,600
Savannah, GA	7	3,110	45	24,000
St. Albans, VT	8	1,380	37	7,020
Wilmington, NC	2	644	17	4,500
Other	158	3,350	936	72,100
Total	521	94,600	3,600	727,000
Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):				
El Paso, TX	(4)	60	2	430
Houston-Galveston, TX	6	2,230	87	61,500
Laredo, TX	19	4,640	341	69,400
New Orleans, LA	6	8,800	56	78,400
Nogales, AZ	1	165	18	2,520
San Juan, PR	10	1,740	71	13,300
Tampa, FL	41	9,290	255	48,800
Other	(4)	14	13	5,130
Total	83	26,900	842	280,000
West Coast and Hawaii:				
Columbia-Snake, OR	65	17,800	297	69,200
Honolulu, HI and Anchorage, AK	1	297	121	27,900
Los Angeles, CA	87	40,500	1,390	439,000
San Diego, CA	8	1,440	111	17,300
San Francisco, CA	143	38,400	886	215,000
Seattle, WA	14	6,990	491	142,000
Total	318	105,000	3,290	910,000
Grand total	1,030	247,000	8,560	2,060,000

¹Re-export activity for September 2004 amounted to 7,650 metric tons valued at \$8,410,000.

²Includes tinsplate and template; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

³Data are rounded to no more than three significant digits; may not add to totals shown.

⁴Less than 1/2 unit.

⁵Includes Code 70, which is for low-valued exports from the United States to Canada.

Source: U.S. Census Bureau.

TABLE 8
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE^{1,2}

(Thousand metric tons and thousand dollars)

Item	September 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	201	42,900	1,430	277,000
No. 2 heavy melting steel	40	7,140	292	53,700
No. 1 bundles	31	3,620	204	27,300
No. 2 bundles	4	107	35	5,920
Shredded steel scrap	333	76,500	2,800	557,000
Borings, shovelings and turnings	15	1,580	138	13,600
Cut plate and structural	9	2,500	383	76,000
Tinned iron or steel	7	1,690	72	15,500
Remelting scrap ingots	1	628	4	4,850
Cast iron	52	12,200	633	128,000
Other iron and steel	106	28,500	987	216,000
Total carbon steel and cast iron	800	177,000	6,970	1,370,000
Stainless steel	35	38,200	357	403,000
Other alloy steel	197	31,300	1,230	280,000
Total stainless and alloy steel	231	69,500	1,590	683,000
Total carbon, stainless, alloy steel and cast iron	1,030	247,000	8,560	2,060,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	16	2,620
Used rails for rerolling and other uses	2	740	33	14,000
Total scrap exports	1,030	247,000	8,610	2,070,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	(3)	19	3	722
Pig iron > 0.5% phosphorus	(3)	4	11	981
Alloy pig iron	(3)	33	3	359
Total pig iron	(3)	56	17	2,060
Direct-reduced iron (DRI)	(3)	5	13	1,330
Spongy iron products, not DRI	(3)	222	3	1,980
Granules for abrasive cleaning and other uses	2	1,470	20	14,400
Powders of alloy steel	1	1,660	9	12,600
Other ferrous powders	5	6,710	41	53,600
Total DRI, granules, powders	8	10,100	85	83,900
Grand total	1,040	258,000	8,710	2,160,000

-- Zero.

¹Export valuation is on a free alongside ship basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED COUNTRY^{1,2}

(Thousand metric tons and thousand dollars)

Country	September 2004		Year to date	
	Quantity	Value	Quantity	Value
Aruba	2	470	2	470
Bahamas, The	(3)	9	4	206
Canada	202	50,900	1,860	409,000
Denmark	29	5,640	111	23,300
Dominican Republic	4	868	64	13,600
Ecuador	(3)	149	1	613
Egypt	(3)	85	1	731
Germany	(3)	36	5	632
Japan	(3)	82	2	585
Mexico	12	4,290	100	45,000
Netherlands	37	13,400	180	55,100
Netherlands Antilles	2	506	17	1,630
Russia	26	8,470	26	8,500
South Africa	3	2,020	3	2,070
United Kingdom	141	43,100	824	241,000
Venezuela	(3)	91	8	7,640
Other	1	123	249	79,100
Total	459	130,000	3,460	888,000

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 10
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED CUSTOMS DISTRICT^{1,2}

(Thousand metric tons and thousand dollars)

Customs district	September 2004		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	45	16,600	303	121,000
Charleston, SC	145	49,200	919	244,000
Detroit, MI	104	25,200	896	186,000
Duluth, MN	2	584	14	3,750
El Paso, TX	2	619	23	6,450
Mobile, AL	8	1,850	88	21,300
New Orleans, LA	91	23,500	588	179,000
Pembina, ND	6	2,000	49	14,900
San Diego, CA	6	1,150	39	8,310
Seattle, WA	43	5,160	386	45,200
Other	7	4,370	148	57,900
Total	459	130,000	3,460	888,000

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 11
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER
FERROUS PRODUCTS BY GRADE^{1,2}

(Thousand metric tons and thousand dollars)

Item	September 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	16	4,690	93	14,700
No. 2 heavy melting steel	3	366	19	2,540
No. 1 bundles	108	34,200	548	132,000
No. 2 bundles	(3)	3	1	98
Shredded steel scrap	167	42,800	1,050	229,000
Borings, shovelings and turnings	4	424	37	3,570
Cut plate and structural	8	1,270	91	13,500
Tinned iron or steel	1	88	7	1,590
Remelting scrap ingots	1	184	1	386
Cast iron	30	5,900	263	45,200
Other iron and steel	95	24,400	1,000	261,000
Total carbon steel and cast iron	431	114,000	3,120	704,000
Stainless steel	9	10,300	109	127,000
Other alloy steel	19	5,580	230	57,700
Total stainless and alloy steel	28	15,900	339	184,000
Total carbon, stainless, alloy steel and cast iron	459	130,000	3,460	888,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	--	--
Used rails for rerolling and other uses	21	5,220	91	28,300
Total scrap imports	480	135,000	3,550	917,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	876	172,000	3,940	807,000
Pig iron > 0.5% phosphorus	--	--	89	19,600
Alloy pig iron	--	--	--	--
Total pig iron	876	172,000	4,030	826,000
Direct-reduced iron (DRI)	172	39,300	1,940	352,000
Spongy iron products, not DRI	33	11,300	59	20,100
Granules for abrasive cleaning and other uses	1	732	12	7,010
Powders of alloy steel	5	5,110	44	42,100
Other ferrous powders	7	6,370	64	50,800
Total DRI, granules, powders	219	62,800	2,120	472,000
Grand total	1,580	371,000	9,690	2,220,000

-- Zero.

¹Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 12
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,
AND CONTINUOUS CAST STEEL PRODUCTION¹

Period	Raw steel production, thousand metric tons		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date ²	Monthly	Year to date	Monthly	Year to date
2003:						
October	7,720	76,100	82.8	83.3	97.0	97.3
November	7,570	83,700	83.9	83.4	97.2	97.3
December	7,630	91,300	81.9	82.2	97.1	96.1
2004:						
January	7,850	7,850	88.0	88.0	96.9	96.9
February	7,620	15,400	90.9	88.9	97.0	97.0
March	8,410	23,800	93.7	90.4	96.9	96.9
April	8,080	31,900	93.9	91.1	96.9	96.9
May	8,310	40,200	92.9	91.5	97.7	97.1
June	8,170	48,300	94.4	91.9	96.8	97.0
July	8,310	57,100	93.5	92.7	97.4	97.1
August	8,450	65,600	95.0	93.0	94.4	96.3
September	8,380	74,000	97.3	93.5	97.3	97.1
October	8,660	82,600	97.5	93.9	95.9	96.0

¹Data are rounded to no more than three significant digits.

²Year-to-date may include revisions for previous months.

Source: American Iron and Steel Institute.

TABLE 13
COMPOSITE PRICES FOR NO. 1 HEAVY MELTING STEEL SCRAP AND PIG IRON

Period	American Metal Market No. 1 HMS		Iron Age No. 1 HMS		Iron Age Pig Iron	
	\$/lt	\$/t	\$/lt	\$/t	\$/lt	\$/t
2003:						
October	130.67	128.61	127.92	125.89	163.07	190.69
November	144.03	141.76	141.29	139.06	199.64	196.48
December	159.88	157.35	155.50	153.05	206.64	203.38
Average	122.93	120.99	120.92	119.01	180.99	178.13
2004:						
January	177.47	174.67	179.84	176.99	240.78	236.98
February	224.09	220.55	222.50	218.99	240.78	236.98
March	250.05	246.10	238.13	234.37	NA	NA
April	208.76	205.46	201.33	198.15	NA	NA
May	170.55	167.86	161.25	158.70	NA	NA
June	165.00	162.39	160.33	157.80	NA	NA
July	215.30	211.90	214.96	211.56	NA	NA
August	240.38	236.58	225.96	222.40	NA	NA
September	205.17	201.93	198.78	195.64	NA	NA
October	237.37	233.62	235.83	232.11	NA	NA

NA Not available.

Note: Long tons = lt; metric tons = t.